## **ABSTRACT**

A system and method are provided for inoculating a biological reactor having a chamber. The chamber is configured to contain influent and biomass to degrade contaminants in the influent. A vessel is configured to receive influent and biomass from the chamber and to substantially isolate the received influent and biomass from that contained in the chamber. The vessel is also configured to deliver the isolated influent and biomass to the chamber, thereby facilitating inoculation of the biological reactor.